

**Claims:**

1. A composition for a fire-protection agent for materials, characterized in that its ingredients include ceramic-forming additives and volume-formers.
2. The composition of claim 1, characterized in that ceramic-forming additives included are at least two of the compounds disodium tetraborate, ammonium pentaborate,  $\text{TiO}_2$ ,  $\text{B}_2\text{O}_3$  and  $\text{SiO}_2$ , especially disodium tetraborate and ammonium pentaborate.
3. The composition of claim 1 or claim 2, characterized in that volume-formers included are gas-formers alone or in combination with acid-formers.
4. The composition of claim 3, wherein the gas-former is selected from the group consisting of  $\text{NH}_4\text{Cl}$ ,  $\text{NaHCO}_3$ , melamine phosphate and melamine.
5. The composition of claim 3 or 4, wherein the acid-former is selected from the group consisting of melamine phosphate, aluminum sulfate, ammonium polyphosphate, ammonium monophosphate, and melamine-coated ammonium polyphosphate.
6. The composition of any one of the preceding claims, comprising as further auxiliaries  $\text{KAlSO}_4$ ,  $\text{Al}(\text{OH})_3$ , aluminum sulfate, pentaerythritol, dipentaerythritol or tripentaerythritol.
7. The composition of any one of the preceding claims, which is a paint based on polybutadiene resin, on melamine/formaldehyde and/or on radiation-curable coating material.

8. The composition of any one of the preceding claims, further comprising dispersants, fillers, pigments, defoamers, inorganic salts, flow control additives, crosslinkers and/or silane/siloxane-based  
5 silicone microemulsion.

9. The composition of any one of the preceding claims, wherein the composition is added as an addition to carbon foam-formers.  
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10. The composition of any one of the preceding claims, wherein the composition is in liquid form.

11. The composition of any one of the preceding claims, wherein at least the ceramic-forming additives and the volume-formers are present in nanoparticle-coated form.  
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12. The composition of any one of the preceding claims, wherein salts of the ceramic-forming additives and of the volume-formers exhibit a particle size of 1 to 50  $\mu\text{m}$ .  
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13. A method of treating materials for fire protection, comprising applying a composition of any one of claims 1 to 12.  
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14. The method of claim 13, wherein the material in question is wood, steel, concrete or plastic.  
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15. A method of producing a fire-protection agent, characterized in that ceramic-forming additives are added to a volume-developable fire-protection agent.

16. The method of claim 15, characterized in that the ceramic-forming additives are ground with one another before being incorporated by dispersion into the fire-protection agent.  
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17. The method of either of claims 15 and 16, characterized in that grinding takes place in a ball mill in the absence of moisture for 0 to 3 days.

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18. The method of any one of claims 15 to 17, characterized in that the ceramic-forming additives and the volume-formers are present as nanoparticle-coated salts.

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19. The use of a composition of any one of claims 1 to 12 as fire protection for wood, steel, concrete, plastic.

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20. The use of ceramic-forming additives and/or volume-formers, as defined in any one of the preceding claims, as an admixture to polymers, such as cable sheathings.

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21. The use of ceramic-forming additives and/or volume-formers for producing transparent coatings, these additives and/or volume-formers being present with particle sizes of 1 to 150 nm as nanoparticles.